

## MATERIAL SPECIFICATION

**Description:** Pistachio Oil, RBDW

**INCI Name:** Pistacia Vera Seed Oil

**CAS No:** 90082-81-8

**EINECS No:** 290-173-0

ANALYTICAL DETAILS	RANGE
APPEARANCE @ 20°C	Clear light yellow liquid
TASTE	Mild, characteristic of product
ODOUR	Mild, characteristic of product
COLOUR (LOVIBOND 5.25" CELL)	≤ 30 Y, 2.5 R
RELATIVE DENSITY @ 20°C (g/cm <sup>3</sup> )	0.910 – 0.920
REFRACTIVE INDEX @ 20°C (nr)	1.465 – 1.475
FREE FATTY ACID (% AS OLEIC)	≤ 2.0
IODINE VALUE (grI <sub>2</sub> / 100gr)	90 – 120
PEROXIDE VALUE (Meq O <sub>2</sub> / kg)	≤ 20.0
ACID VALUE	≤ 4.0

FATTY ACID PROFILE (MAJOR ACIDS)	ACID NAME	C-CHAIN	RANGE
	PALMITIC	C16:0	9.0 – 20.0
PALMITOLEIC	C16:1	≤ 2.0	
STEARIC	C18:0	1.0 – 3.0	
OLEIC	C18:1	40.0 – 60.0	
LINOLEIC	C18:2	28.0 – 38.0	
ALPHA LINOLENIC	C18:3	≤ 2.0	
OTHERS		≤ 2.0	

Shelf Life: Minimum 18 Months from the date of manufacture